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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/052,080	01/17/2002	Rangamani Sundar	110014.139	9833

22917 7590 08/24/2005

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EXAMINER

MEHRPOUR, NAGHMEH

ART UNIT

PAPER NUMBER

2686

DATE MAILED: 08/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/052,080

Applicant(s)

SUNDAR ET AL.

Examiner

Naghmeh Mehrpour

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on 08 February 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claims 1-8**, are rejected under 35 U.S.C. 102(e) as being anticipated by Sundar et al. (US Publication 2003/0134636 A1).

Regarding **claim 1**, Bridgelall teaches a method of internetworking a mobile station to operate in a wireless wide area network WWAN (0055), comprising:

provisioning a switch to communicate with the WLAN via IP communication (0103);

the switch receiving mobile station communications via the WLAN (0100);

the switch converting said mobile station communications to a format compatible with the PBX interface and forwarding the converted communications to the PBX (0103)

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the PBX receiving and handling the converted communications (0101-0102),

Regarding **claim 2**, Bridgelall teaches a method wherein the switch further provisioned to communicate with a WWAN and wherein the switch analyzes the mobile station communications and determines that the communications address an entity external to a domain of the PBX and in response thereto;

the switch requesting a TLDN from a MSC serving the WWAN (0100, -0105);

in response to receiving a TLDN from the MSC, the switch sending a message to the PBX to connect the mobile station call to the specified TLDN (0100, 1015);

**the PBX connecting the mobile station call to the specified TLDN (0100, 0105).**

Regarding **claim 3**, Bridgelall teaches a method further including:

the mobile station roaming during the call (0100);

the mobile station switching to a WWAN air interface protocol (0100, 0106);

the mobile station reconnecting to the call by specifying the TLDN of the call (0100).

Regarding **claim 4**, Bridgelall inherently teaches a method wherein the mobile station automatically reconnects to the call without user intervention (0106).

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Regarding **claim 5**, teaches a method wherein the PBX tears down call connection to the MSC when the mobile station is detected as having lost communication with the switch (0107)

Regarding **claim 6**, Bridgelall teaches a method wherein the PBX maintains call connections to the MSC when the mobile station is detected as having lost communication with the switch (0106).

Regarding **claim 7**, Bridgelall teaches a method further including:

the mobile station roaming during the call (0077);

the mobile station determining that it should communicate according to a WWAN air interface protocol while the mobile station is participating in a call under a WLAN air interface protocol and in response thereto (0077);

sending a message to a source MSC servicing the WLAN that a handoff (roaming) is desired (0078);

the source MSC, analyzing the message, establishing an anchor MSC (WLAN), and establishing communication channels with a target MSC servicing a geographic WWAN area in which the mobile station resides (0078);

the mobile station beginning communication with the WWAN and the target MSC relaying those communication to the anchor MSC (0078).

Regarding **claim 8**, Bridgelall teaches a method wherein the mobile station informs the MSC serving the LAN of the cell ids of the WWAN geographic area, and wherein the

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source MSC uses the cell ids information to establish communication channels with the target MSC (0077).

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1-8, have been considered but are moot in view of the new ground(s) of rejection.

### **Conclusion**

4. **Any responses to this action should be mailed to:**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naghmeh Mehrpour whose telephone number is 571-272-7913. The examiner can normally be reached on 8:00- 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold be reached (571) 272-7905.


The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NM

August 22, 2005

  
PATENT EXAMINER